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Product Datasheet

Homoharringtonine, CAS [[26833-87-4]] FBM-10-3033

Article Name	Homoharringtonine, CAS [[26833-87-4]]
Biozol Catalog Number	FBM-10-3033
Supplier Catalog Number	10-3033
Alternative Catalog Number	FBM-10-3033-5MG, FBM-10-3033-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Protein synthesis inhibitor...
Molecular Weight	545.63
Purity	95% by HPLC NMR (Conforms)
Form	Pale yellow to off-white solid
CAS Number	[26833-87-4]
Formula	C ₂₉ H ₃₉ N _O ₉
Application Notes	A plant alkaloid, originally isolated from the Hainan plum yew, that binds to the large ribosomal subunit A-site, competing with aminoacyl-tRNA amino acid side chains, thereby inhibiting the initial elongation step of protein synthesis. ¹ It also binds to transcription factors NKRF (NF-kappaB repressing factor) and SP1, down-regulating the Myc pathway. ^{2,3} Dramatically decreases global DNA 5-hydroxymethylcytosine levels via the SP1/TET1 axis. ³ Induces apoptosis in tyrosine kinase inhibitor-resistant NSCLC cells ⁴ , and is a clinically useful agent for CML and AML ⁵ .